

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	85	multiple adj hydroxy adj groups	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:26
L2	0	(at adj least adj three) adj hydroxy adj groups	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:25
L3	102	multiple adj hydroxy adj (groups or substituents)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:42
L4	8930	polyarylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:26
L5	0	3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:26
L6	364	(alkylaryl or alkyl adj aryl) near10 (polyhydroxy or trihydroxy or dihydroxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:44
L7	83	(alkylaryl) near10 (polyhydroxy or trihydroxy or dihydroxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:45
L8	63	(alkylaryl) near10 (polyhydroxy or trihydroxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:45

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6187248".pn.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:39
L2	1	"6303733".pn.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:45
L3	1	"6124421".pn.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:46
L4	2	"255941".ap.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:47
L5	1	"6824833".pn.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:48
L6	2	jp-2003096277-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/05/15 16:51
L7	3448	polyarylene.ti.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/05/15 16:52
L8	399	polyarylene.ti.	USPAT	OR	ON	2005/05/15 16:53
L9	44	(polyarylene adj ether).ti.	USPAT	OR	ON	2005/05/15 17:20
L10	20627	benzyloxy	USPAT	OR	ON	2005/05/15 17:09
L12	62	benzyloxy.ab.	US-PGPUB	OR	ON	2005/05/15 17:10
L13	2	terminal adj trihydroxy	USPAT	OR	ON	2005/05/15 17:16
L14	8	((end adj group) or terminal) near5 trihydroxy	USPAT	OR	ON	2005/05/15 17:17
L15	14	((end adj group) or terminal) near5 trihydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:19
L16	239	((end adj group) or terminal) near5 polyhydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23
L17	1564	(polyarylene adj ether)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:20

L18	0	16 and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:22
L19	549	(polyarylene adj ether).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23
L20	0	16 and 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23
L21	1564	(polyarylene adj ether)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23
L22	0	21 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23

FILE 'REGISTRY' ENTERED AT 15:08:01 ON 15 MAY 2005

L1 STRUCTURE UPLOADED
L2 161 S L1 FULL
L3 STRUCTURE UPLOADED
L4 1704 S L3 FULL
L5 4 S L2 AND L4
L6 STRUCTURE UPLOADED
L7 30871 S L6 FULL
L8 STRUCTURE UPLOADED
L9 STRUCTURE UPLOADED
L10 STRUCTURE UPLOADED
L11 28607 S L8 FULL
L12 2387 S L9 FULL
L13 30752 S L10 FULL
L14 1 S 80-05-7
L15 0 S L14 AND L2
L16 STRUCTURE UPLOADED
L17 880 S L16 FULL
L18 0 S L2 AND L17
L19 STRUCTURE UPLOADED
L20 334 S L19 FULL
L21 0 S L4 AND L20
L22 0 S L20 AND L4
L23 39 S L20 AND L11
L24 2 S L20 AND L12
L25 39 S L20 AND L13
L26 STRUCTURE UPLOADED
L27 50 S L26
L28 93816 S L27 FULL
L29 STRUCTURE UPLOADED
L30 30752 S L29 FULL
L31 STRUCTURE UPLOADED
L32 880 S L31 FULL
L33 STRUCTURE UPLOADED
L34 1051 S L33 FULL
L35 STRUCTURE UPLOADED
L36 1868 S L35 FULL
L37 0 S L20 AND (L30 OR L32) AND (L34 OR L36)
L38 753 S (L30 OR L32) AND (L34 OR L36)
L39 73803 S TRIHYDROXY OR TRISHYDROXY
L40 0 S L38 AND L39

FILE 'CAPLUS' ENTERED AT 15:49:21 ON 15 MAY 2005

L41 1409 S L38
L42 18867 S TRIHYDROXY OR TRISHYDROXY
L43 0 S L41 AND L42
L44 2143 S POLYARYLENE
L45 110 S L41 AND L44
L46 578 S POLYARYLENE/TI
L47 41 S L46 AND L41

FILE 'REGISTRY' ENTERED AT 16:19:39 ON 15 MAY 2005

L48 STRUCTURE UPLOADED
L49 STRUCTURE UPLOADED
L50 657 S L48 FULL
L51 83 S HYDROXYPHENOL
L52 1 S 123-31-9
L53 299 S L49 FULL
L54 1 S L20
L55 334 S L19 FULL

L56 FILE 'REGISTRY' ENTERED AT 16:26:03 ON 15 MAY 2005
334 S L19 FULL

L57 FILE 'CAPLUS' ENTERED AT 16:28:04 ON 15 MAY 2005
379 S POLYARYLENE ETHER
L58 0 S BISHYDROXYPHENYLBENZOPHENONE

L59 FILE 'REGISTRY' ENTERED AT 16:29:33 ON 15 MAY 2005
1 S HYDROXYPHENYLBENZOPHENONE

L60 FILE 'CAPLUS' ENTERED AT 16:30:40 ON 15 MAY 2005
30420 S BENZOPHENONE
L61 14 S L57 AND L60

FILE 'USPATFULL' ENTERED AT 16:35:32 ON 15 MAY 2005

=> s polyarylene ether and benzophenone

3269 POLYARYLENE
335810 ETHER
529 POLYARYLENE ETHER
(POLYARYLENE(W) ETHER)
31388 BENZOPHENONE
L62 81 POLYARYLENE ETHER AND BENZOPHENONE

(FILE 'HOME' ENTERED AT 14:03:40 ON 15 MAY 2005)

FILE 'REGISTRY' ENTERED AT 14:03:53 ON 15 MAY 2005

L1 STRUCTURE UPLOADED
L2 50 S L1
L3 1704 S L1 FULL
L4 STRUCTURE UPLOADED
L5 2932 S L4 FULL
L6 19 S L5 AND L3

FILE 'CAPLUS' ENTERED AT 14:13:44 ON 15 MAY 2005

L7 17 S L6
L8 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 14:23:32 ON 15 MAY 2005

L9 42 S L8
L10 4407 S L8 FULL
L11 84 S L10 AND L5

FILE 'CAPLUS' ENTERED AT 14:24:01 ON 15 MAY 2005

L12 118 S L11
L13 2143 S POLYARYLENE
L14 3 S L12 AND L13

FILE 'REGISTRY' ENTERED AT 14:27:26 ON 15 MAY 2005

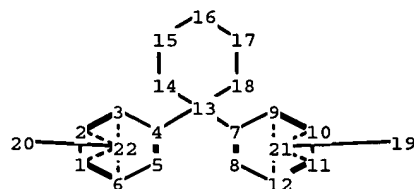
FILE 'CAPLUS' ENTERED AT 14:27:27 ON 15 MAY 2005

FILE 'REGISTRY' ENTERED AT 14:27:34 ON 15 MAY 2005

L15 22 S L3 AND L10
L16 19 S L3 AND L5

FILE 'REGISTRY' ENTERED AT 14:41:59 ON 15 MAY 2005

=>



23 721140a



















































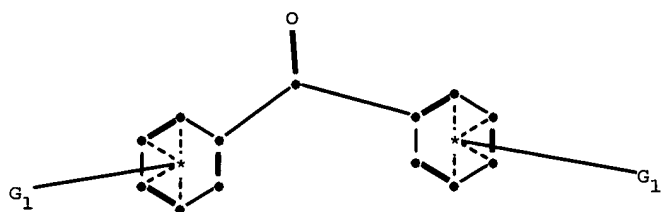




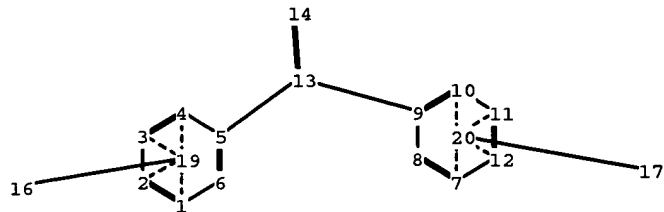






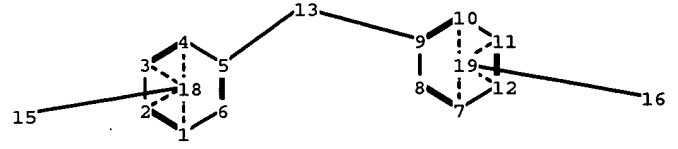
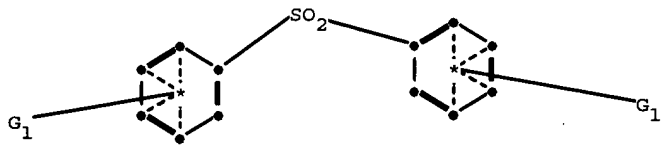
၉၁၀
G1 = F, Cl



Handwritten Burmese text, likely a list of items or a description of the chemical structures.

Handwritten Burmese text.

Handwritten Burmese text, possibly a list of items or a description of the chemical structures.



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Handwritten Burmese text and symbols, including mathematical notation $G_1 = F, Cl$.

Handwritten Burmese text.

Handwritten Burmese text and symbols.

L47 ANSWER 1 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Process for preparing substituted **polyarylene** ethers

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2004122204	A1	20040624	US 2002-322110	20021217
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JP 2004197098	A2	20040715	JP 2003-419449	20031217
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PRAI US 2002-322110	A	20021217		
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IT 339279-77-5DP, tert-butylphenyl-terminated, bromomethyl derivs., reaction products with sodium acrylate 709648-06-6DP, tert-butylphenyl-terminated, bromomethyl derivs., reaction products with sodium acrylate

RL: IMF (Industrial manufacture); PREP (Preparation)

(preparation of halomethylated polyphenylene ethers for preparation of photosensitive polymers)

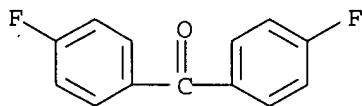
RN 339279-77-5 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[2-methylphenol] (9CI) (CA INDEX NAME)

CM 1

CRN 345-92-6

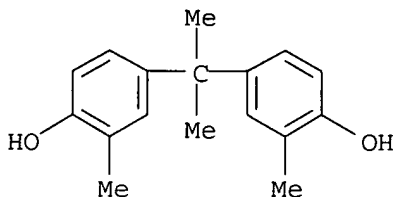
CMF C13 H8 F2 O



CM 2

CRN 79-97-0

CMF C17 H20 O2



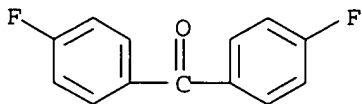
RN 709648-06-6 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[2-methylphenol] and 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

CM 1

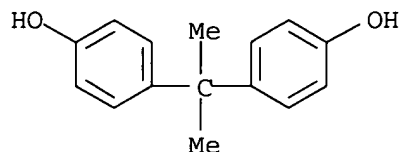
CRN 345-92-6

CMF C13 H8 F2 O



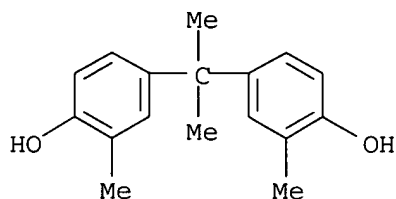
CM 2

CRN 80-05-7
CMF C15 H16 O2



CM 3

CRN 79-97-0
CMF C17 H20 O2



L47 ANSWER 2 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Aromatic sulfonate derivative, **polyarylene**, sulfonated **polyarylene** and production method thereof, macromolecular solid electrolyte, and proton conductive membrane

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1431281	A1	20040623	EP 2003-28999	20031217
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2004196947	A2	20040715	JP 2002-367042	20021218
	US 2004126639	A1	20040701	US 2003-734194	20031215
PRAI	JP 2002-367042	A	20021218		

IT **705967-34-6P**

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

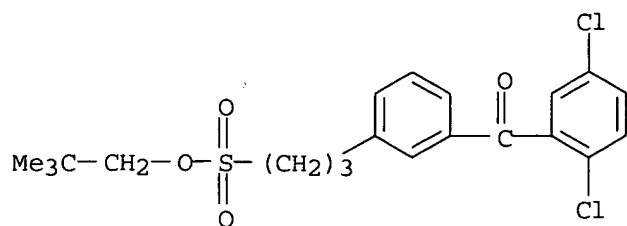
(aromatic sulfonate derivative, polyarylene, sulfonated polyarylene and production method thereof, macromol. solid electrolyte, and proton conductive membrane)

RN 705967-34-6 CAPLUS

CN Benzenepropanesulfonic acid, 3-(2,5-dichlorobenzoyl)-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

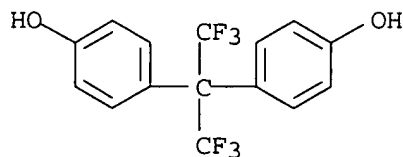
CRN 705967-33-5
CMF C21 H24 Cl2 O4 S



CM 2

CRN 1478-61-1

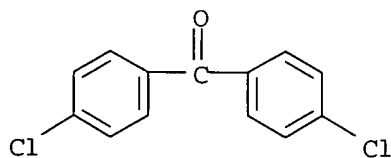
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O



IT 705967-34-6DP, hydrolyzed

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(aromatic sulfonate derivative, polyarylene, sulfonated polyarylene and production

method thereof, macromol. solid electrolyte, and proton conductive membrane)

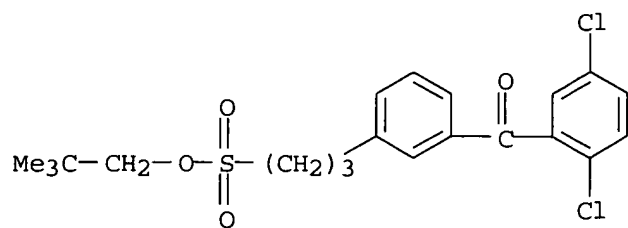
RN 705967-34-6 CAPLUS

CN Benzenepropanesulfonic acid, 3-(2,5-dichlorobenzoyl)-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethyldiene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 705967-33-5

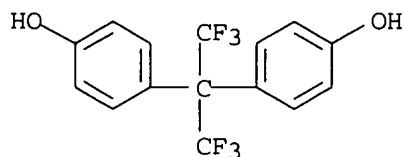
CMF C21 H24 Cl2 O4 S



CM 2

CRN 1478-61-1

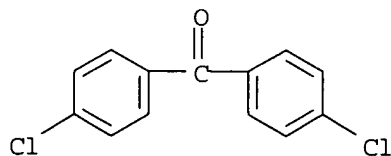
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O



IT **122325-09-1P**, Bisphenol AF-4,4'-dichlorobenzophenone copolymer
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT
 (Reactant or reagent)
 (oligomeric; aromatic sulfonate derivative, polyarylene, sulfonated
 polyarylene and production method thereof, macromol. solid electrolyte, and
 proton conductive membrane)

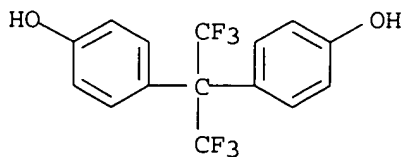
RN 122325-09-1 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 1478-61-1

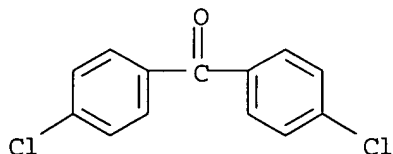
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2

CMF C13 H8 Cl2 O



L47 ANSWER 3 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene** polysulfones melt thermooxidative degradation kinetics of autoaccelerated type

IT **137560-12-4**, Bisphenol A-4,4'-dichlorodiphenyl sulfone-isophthaloyl chloride-terephthaloyl chloride block copolymer

RL: PRP (Properties)

(polyarylene polysulfones melt thermooxidative degradation kinetics of autoaccelerated type)

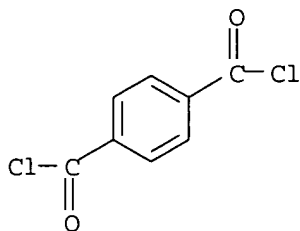
RN 137560-12-4 CAPLUS

CN 1,3-Benzenedicarbonyl dichloride, polymer with 1,4-benzenedicarbonyl dichloride, 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

CM 1

CRN 100-20-9

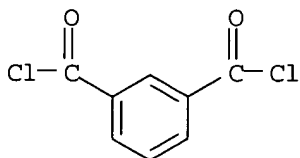
CMF C8 H4 Cl2 O2



CM 2

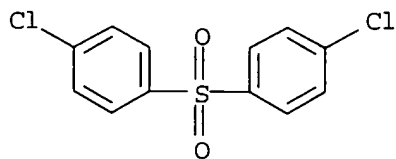
CRN 99-63-8

CMF C8 H4 Cl2 O2



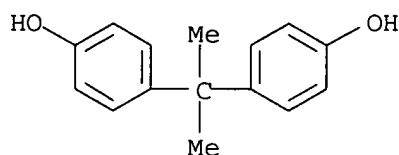
CM 3

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 4

CRN 80-05-7
CMF C15 H16 O2



L47 ANSWER 4 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Method for stopping polymerization reaction of **polyarylene**-based polymers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004107569	A2	20040408	JP 2002-275113	20020920
PRAI	JP 2002-275113		20020920		
IT	463963-71-5P				

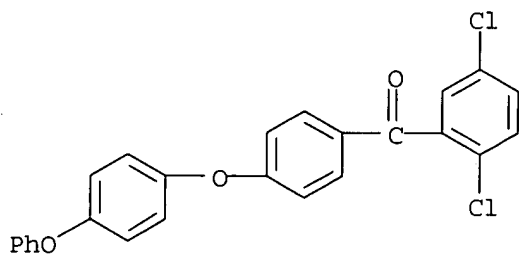
RL: IMF (Industrial manufacture); PREP (Preparation)
(method for stopping polymerization reaction of polyarylene-based polymers)

RN 463963-71-5 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with (2,5-dichlorophenyl)[4-(4-phenoxyphenoxy)phenyl]methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

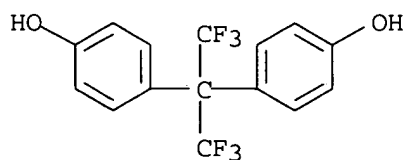
CRN 463954-50-9
CMF C25 H16 Cl2 O3



CM 2

CRN 1478-61-1

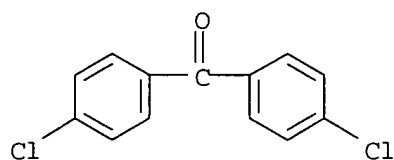
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O



IT 122325-09-1P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(method for stopping polymerization reaction of polyarylene-based polymers)

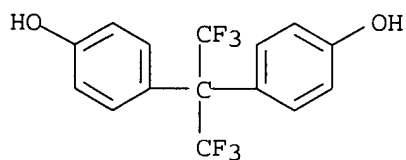
RN 122325-09-1 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 1478-61-1

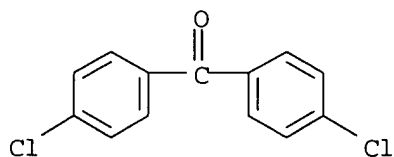
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2

CMF C13 H8 Cl2 O



p-tert-butylphenol terminated **69254-20-2DP**, 4,4'-
Difluorobenzophenone-hexafluorobisphenol A copolymer, p-tert-butylphenol
terminated

RL: IMF (Industrial manufacture); PREP (Preparation)
(process for preparing polyarylene ether copolymers)

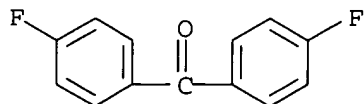
RN 25897-65-8 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 345-92-6

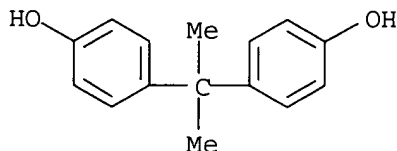
CMF C13 H8 F2 O



CM 2

CRN 80-05-7

CMF C15 H16 O2



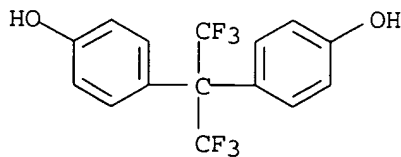
RN 69254-20-2 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 1478-61-1

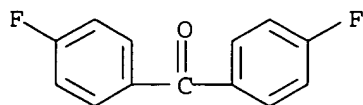
CMF C15 H10 F6 O2



CM 2

CRN 345-92-6

CMF C13 H8 F2 O



L47 ANSWER 7 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

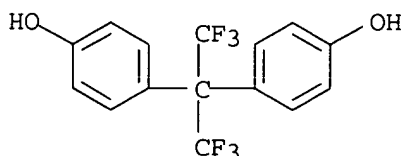
TI **Polyarylene**-based copolymers, their sulfonated polymers, and their proton-conducting films

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003212988	A2	20030730	JP 2002-10745	20020118
PRAI	JP 2002-10745		20020118		
IT	122325-09-1P , Bisphenol AF-4,4'-dichlorobenzophenone copolymer RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) (chloro-terminated; polyarylene-based copolymers and their sulfonated polymers for proton-conducting films showing good toughness, durability, oxidation and heat resistances, and proton conductivity)				
RN	122325-09-1 CAPLUS				
CN	Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)				

CM 1

CRN 1478-61-1

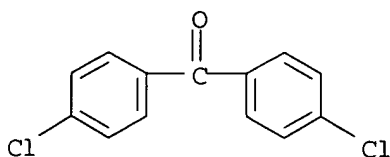
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2

CMF C13 H8 Cl2 O



IT **463963-71-5DP**, Bisphenol AF-4,4'-dichlorobenzophenone-2,5-dichloro-4'-(4-phenoxy)phenoxybenzophenone copolymer, sulfonated
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyarylene-based copolymers and their sulfonated polymers for proton-conducting films showing good toughness, durability, oxidation and heat resistances, and proton conductivity)

RN 463963-71-5 CAPLUS

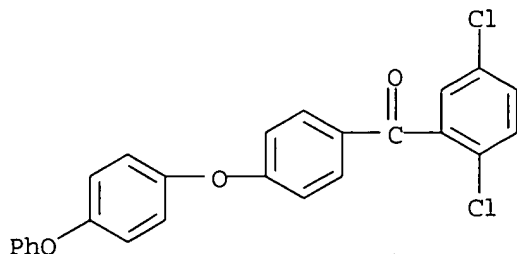
CN Methanone, bis(4-chlorophenyl)-, polymer with (2,5-dichlorophenyl)[4-(4-phenoxyphenoxy)phenyl]methanone and 4,4'-[2,2,2-trifluoro-1-

(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 463954-50-9

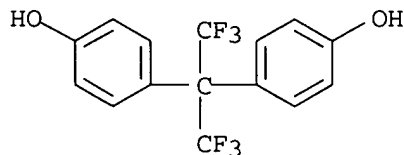
CMF C25 H16 Cl2 O3



CM 2

CRN 1478-61-1

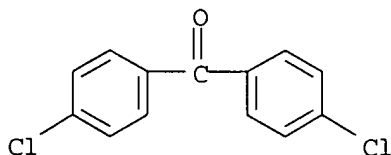
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O



L47 ANSWER 8 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Sulfonated **polyarylene** composition and proton-conductive membrane

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003183526	A2	20030703	JP 2001-391748	20011225
PRAI	JP 2001-391748		20011225		

IT **463963-71-5DP**, Bisphenol AF-4,4'-dichlorobenzophenone-2,5-dichloro-4'-(4-phenoxy)phenoxybenzophenone copolymer, sulfonated

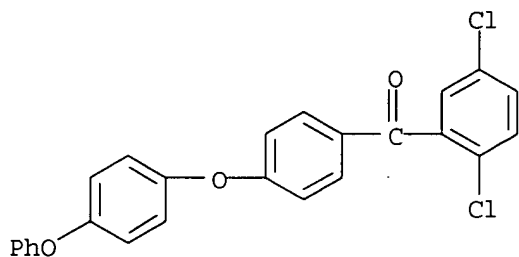
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(sulfonated polyarylene composition containing hindered phenol and hindered amine antioxidants for proton-conductive membrane)

RN 463963-71-5 CAPLUS
 CN Methanone, bis(4-chlorophenyl)-, polymer with (2,5-dichlorophenyl)[4-(4-phenoxyphenoxy)phenyl]methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

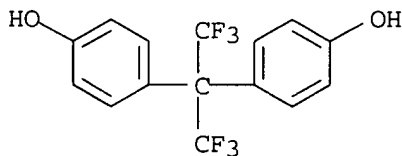
CM 1

CRN 463954-50-9
 CMF C25 H16 Cl2 O3



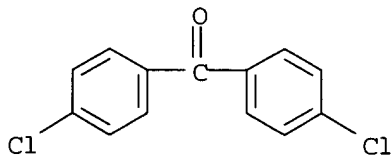
CM 2

CRN 1478-61-1
 CMF C15 H10 F6 O2



CM 3

CRN 90-98-2
 CMF C13 H8 Cl2 O



L47 ANSWER 9 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Manufacture of branched **polyarylene** polymers with high toughness, their sulfonated products, and proton-conducting membranes
 PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 2003113226 A2 20030418 JP 2001-307430 20011003

PRAI JP 2001-307430 20011003

IT **122325-09-1P**, 4,4'-Dichlorobenzophenone-hexafluorobisphenol A copolymer

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT

(Reactant or reagent)

(manufacture of sulfonated branched polyarylene polymers with high toughness for proton-conducting membranes)

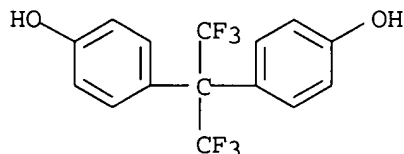
RN 122325-09-1 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 1478-61-1

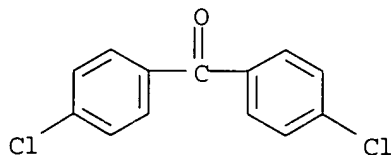
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2

CMF C13 H8 Cl2 O



IT 509075-82-5DP, reaction products with chlorobenzophenone, sulfonated

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(manufacture of sulfonated branched polyarylene polymers with high toughness for proton-conducting membranes)

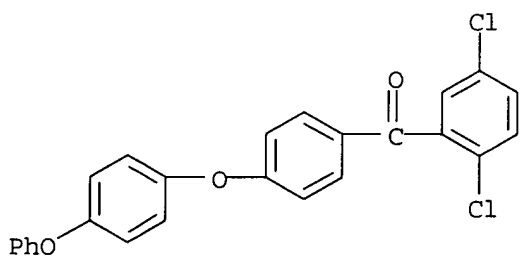
RN 509075-82-5 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with (4-chlorophenyl)(2,4-dichlorophenyl)methanone, (2,5-dichlorophenyl)[4-(4-phenoxyphenoxy)phenyl]methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 463954-50-9

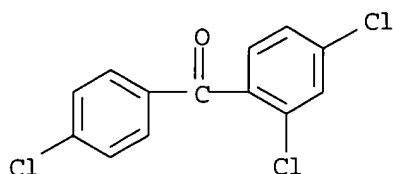
CMF C25 H16 Cl2 O3



CM 2

CRN 33146-57-5

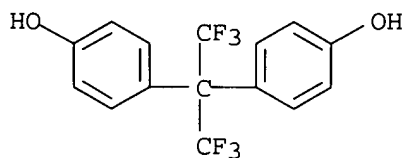
CMF C13 H7 Cl3 O



CM 3

CRN 1478-61-1

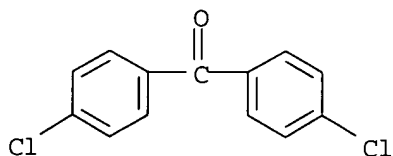
CMF C15 H10 F6 O2



CM 4

CRN 90-98-2

CMF C13 H8 Cl2 O



L47 ANSWER 10 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Physical aspects of stabilization of polyarylate-**polyarylene**
-polysulfone-polysulfoxide

IT 137560-12-4

RL: PEP (Physical, engineering or chemical process); POF (Polymer in
formulation); PYP (Physical process); PROC (Process); USES (Uses)
(phys. aspects of stabilization of block aromatic polyester-polysulfones
with 4,8-bis(1,1-dimethylethyl)-6-ethoxy-2,10-dimethyl-12H-
dibenzo[d,g][1,3,2]dioxaphosphocin)

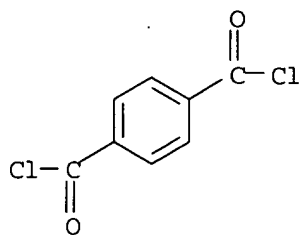
RN 137560-12-4 CAPLUS

CN 1,3-Benzenedicarbonyl dichloride, polymer with 1,4-benzenedicarbonyl
dichloride, 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-
chlorobenzene], block (9CI) (CA INDEX NAME)

CM 1

CRN 100-20-9

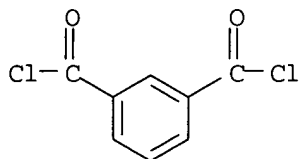
CMF C8 H4 Cl2 O2



CM 2

CRN 99-63-8

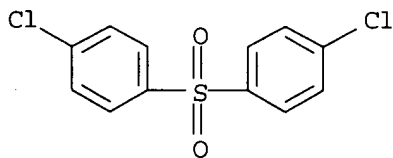
CMF C8 H4 Cl2 O2



CM 3

CRN 80-07-9

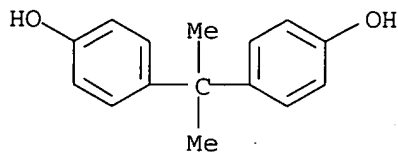
CMF C12 H8 Cl2 O2 S



CM 4

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 11 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Aromatic **polyarylene** ether-based compositions and their
materials for electrically insulating film formation

PATENT NO.

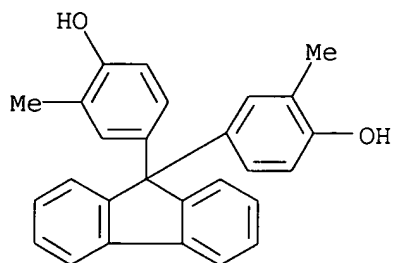
KIND

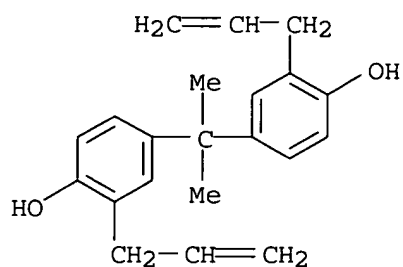
DATE

APPLICATION NO.

DATE

PI JP 2002003752 A2 20020109 JP 2000-186518 20000621
 PRAI JP 2000-186518 20000621
 IT **383434-84-2P**, 9,9-Bis(4-hydroxyphenyl)fluorene-9,9-bis(4-hydroxy-3-methylphenyl)fluorene-4,4'-difluorobenzophenone-2,2'-diallylbisphenol A copolymer
 RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (crosslinked; aromatic polyarylene ether-based crosslinkable coatings for elec. insulators with crack and heat resistance)
 RN 383434-84-2 CAPLUS
 CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(9H-fluoren-9-ylidene)bis[2-methylphenol], 4,4'-(9H-fluoren-9-ylidene)bis[phenol] and 4,4'-(1-methylethylidene)bis[2-(2-propenyl)phenol] (9CI) (CA INDEX NAME)
 CM 1
 CRN 88938-12-9
 CMF C27 H22 O2

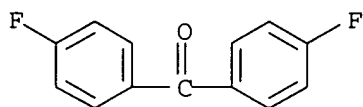




CM 4

CRN 345-92-6

CMF C13 H8 F2 O



L47 ANSWER 12 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene** ethers having keto group side-chains and their preparation

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1166507	A	19971203	CN 1997-107308	19970109
PRAI	CN 1997-107308		19970109		

IT **253608-91-2P**

RL: IMF (Industrial manufacture); PREP (Preparation)

(preparation of polyarylene ethers having keto group side-chains)

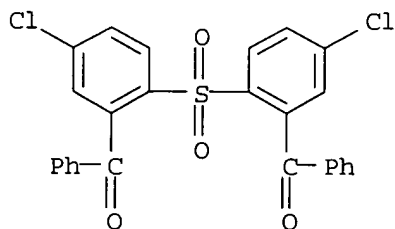
RN 253608-91-2 CAPLUS

CN Methanone, [sulfonylbis(5-chloro-2,1-phenylene)]bis[phenyl-, polymer with bis(4-fluorophenyl)methanone and 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 253608-85-4

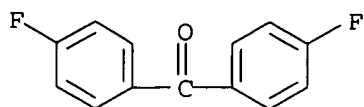
CMF C26 H16 Cl2 O4 S



CM 2

CRN 345-92-6

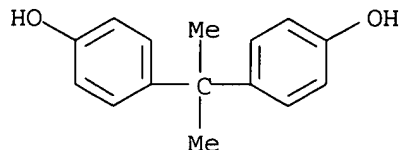
CMF C13 H8 F2 O



CM 3

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 13 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI New approaches to synthesis of amorphous and crystalline cardo

polyarylene ether ketones

IT **25897-65-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)

(model compound; synthesis of amorphous and crystalline cardo aromatic polyether-polyketones)

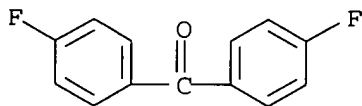
RN 25897-65-8 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 345-92-6

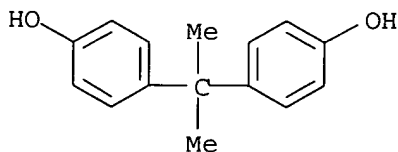
CMF C13 H8 F2 O



CM 2

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 14 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene** ethers (**polyarylene** ether ketones and **polyarylene** ether sulfones) with side carboxylic group

IT **186465-55-4P**

ES 2131600	T3	19990801	ES 1994-102860	19940225
US 5457169	A	19951010	US 1994-203027	19940228
JP 06322255	A2	19941122	JP 1994-32318	19940302
PRAI DE 1993-4306708	A	19930304		

IT **25154-01-2DP**, Bisphenol A-bis(4-chlorophenyl) sulfone copolymer, anhydride group-terminated
 RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (preparation and use as heat-resistant moldings and adhesives)

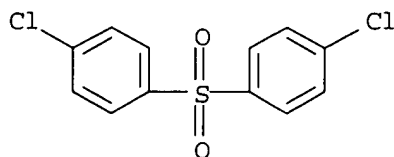
RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

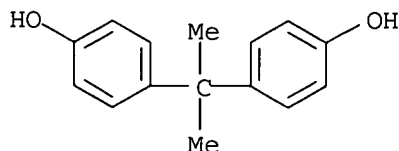
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 16 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Polyether-ketone-**polyarylene** sulfide block copolymers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3900916	A1	19900719	DE 1989-3900916	19890113
	EP 381867	A2	19900816	EP 1989-124168	19891230
	EP 381867	A3	19910703		

R: BE, DE, FR, GB, IT

JP 02228325	A2	19900911	JP 1990-3687	19900112
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PRAI DE 1989-3900916	A	19890113		
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IT **131718-49-5P**

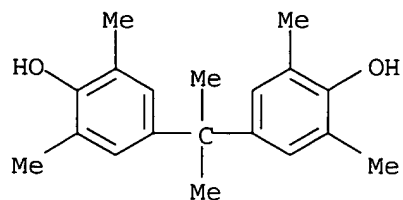
RL: IMF (Industrial manufacture); PREP (Preparation)
 (manufacture of, having high glass transition temperature and strong phys. properties, for molding)

RN 131718-49-5 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 1,4-dichlorobenzene, 4,4'-(1-methylethylidene)bis[2,6-dimethylphenol] and sodium sulfide (Na2S), block (9CI) (CA INDEX NAME)

CM 1

CRN 5613-46-7
CMF C19 H24 O2



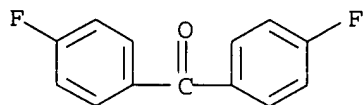
CM 2

CRN 1313-82-2
CMF Na2 S

Na-S-Na

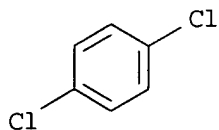
CM 3

CRN 345-92-6
CMF C13 H8 F2 O



CM 4

CRN 106-46-7
CMF C6 H4 Cl2



L47 ANSWER 17 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Non-catalytic process for the preparation of difunctionalized
polyarylene polyethers

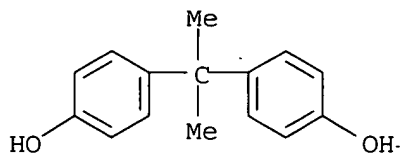
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4663402	A	19870505	US 1985-814749	19851230
	US 4562243	A	19851231	US 1984-586678	19840306
PRAI	US 1984-586678	A2	19840306		
IT	37330-81-7DP, vinylbenzyl-terminated RL: PREP (Preparation) (preparation of, solvents for)				
RN	37330-81-7 CAPLUS				

CN Phenol, 4,4'-(1-methylethylidene)bis-, dipotassium salt, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 13730-42-2

CMF C15 H16 O2 . 2 K

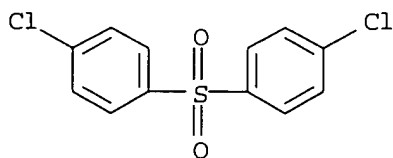


● 2 K

CM 2

CRN 80-07-9

CMF C12 H8 Cl2 O2 S



L47 ANSWER 18 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Alternating block copolymers of **polyarylene** polyethers and process for their preparation

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4638039	A	19870120	US 1984-655925	19840928
	US 4749756	A	19880607	US 1987-3740	19870116
PRAI	US 1984-655925	A3	19840928		

IT **25154-01-2DP**, reaction products with dichlorobutene

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and condensation of, with bis(haloallyl) compound-containing polyethers)

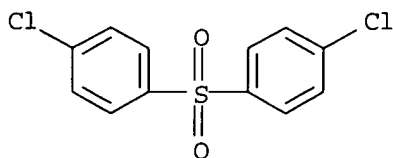
RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

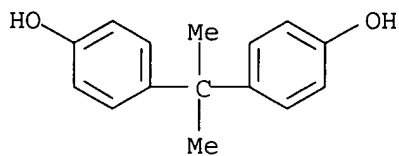
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



IT 88029-96-3P 107513-70-2P 107513-71-3P

107513-72-4P 107513-73-5P

RL: PREP (Preparation)
(preparation of)

RN 88029-96-3 CAPLUS

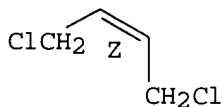
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (Z)-1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 1476-11-5

CMF C4 H6 Cl2

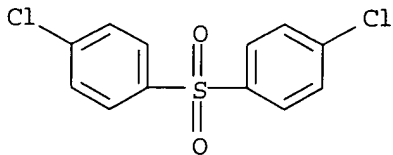
Double bond geometry as shown.



CM 2

CRN 80-07-9

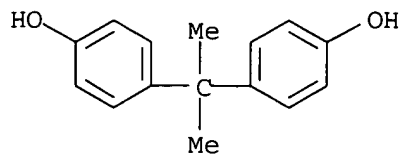
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



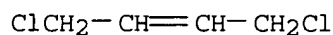
RN 107513-70-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

CM 1

CRN 764-41-0

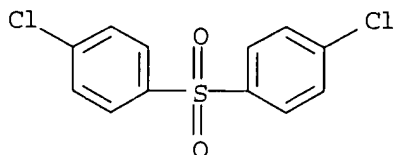
CMF C4 H6 Cl2



CM 2

CRN 80-07-9

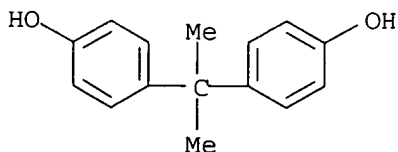
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



RN 107513-71-3 CAPLUS

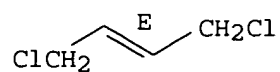
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (E)-1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

CM 1

CRN 110-57-6

CMF C4 H6 Cl2

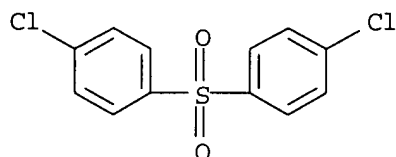
Double bond geometry as shown.



CM 2

CRN 80-07-9

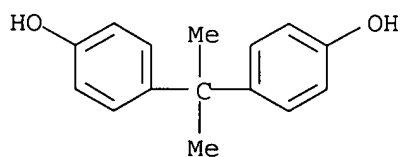
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



RN 107513-72-4 CAPLUS

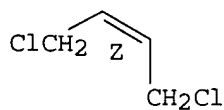
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (Z)-1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

CM 1

CRN 1476-11-5

CMF C4 H6 Cl2

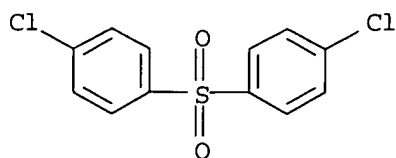
Double bond geometry as shown.



CM 2

CRN 80-07-9

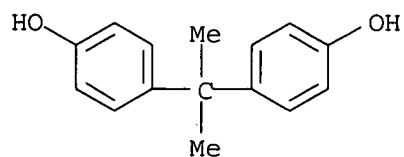
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



RN 107513-73-5 CAPLUS

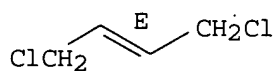
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (E)-1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 110-57-6

CMF C4 H6 Cl2

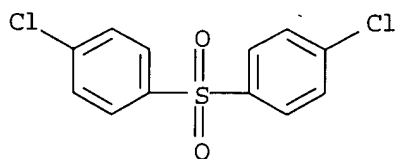
Double bond geometry as shown.



CM 2

CRN 80-07-9

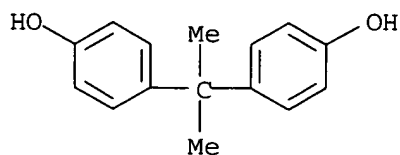
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 19 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene** polyethers with pendant vinyl groups and process for preparation thereof

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4634742	A	19870106	US 1984-669641	19841108
	US 4806601	A	19890221	US 1986-948245	19861231

PRAI US 1984-669641 A3 19841108

IT **25154-01-2DP**, derivs. containing pendant vinyl or ethynyl groups

RL: PREP (Preparation)

(preparation of crosslinkable)

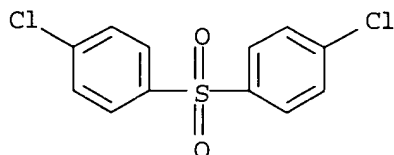
RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

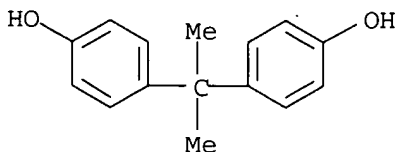
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 20 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene** polyethers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61076523	A2	19860419	JP 1984-196723	19840921
	JP 04047690	B4	19920804		

PRAI JP 1984-196723 19840921

IT **9058-64-4P 104584-93-2P 104603-03-4P**

RL: PREP (Preparation)

(preparation of, with good melt fluidity and heat resistance)

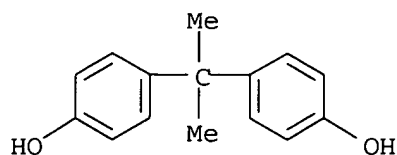
RN 9058-64-4 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, disodium salt, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 2444-90-8

CMF C15 H16 O2 . 2 Na

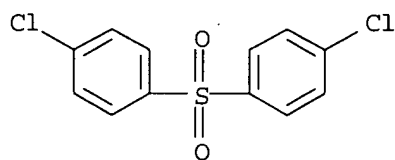


●2 Na

CM 2

CRN 80-07-9

CMF C12 H8 Cl2 O2 S



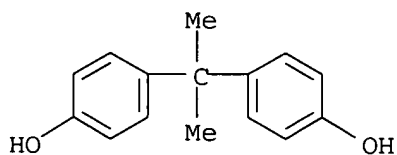
RN 104584-93-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, disodium salt, polymer with sodium sulfide (Na₂S) and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 2444-90-8

CMF C15 H16 O2 . 2 Na

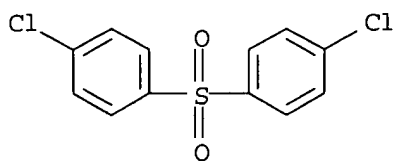


●2 Na

CM 2

CRN 1313-82-2

CMF Na₂ S



L47 ANSWER 21 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene** polyethersulfone ionomers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4598137	A	19860701	US 1984-676866	19841130
	CA 1237231	A1	19880524	CA 1985-496614	19851129
PRAI	US 1984-676866	A	19841130		

IT **104426-09-7P 104426-11-1P**

RL: PREP (Preparation)

(preparation of)

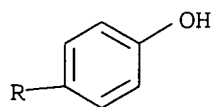
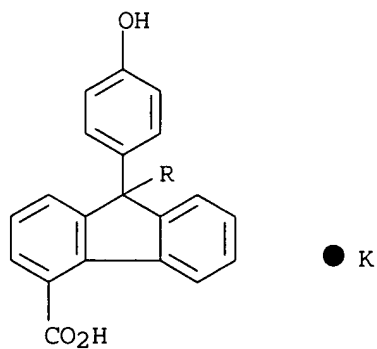
RN 104426-09-7 CAPLUS

CN 9H-Fluorene-4-carboxylic acid, 9,9-bis(4-hydroxyphenyl)-, monopotassium salt, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-fluorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 104426-07-5

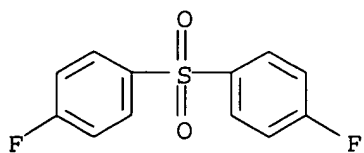
CMF C26 H18 O4 . K



CM 2

CRN 383-29-9

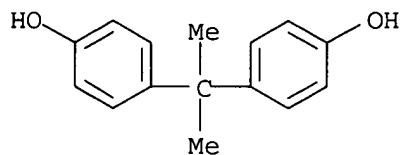
CMF C12 H8 F2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



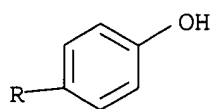
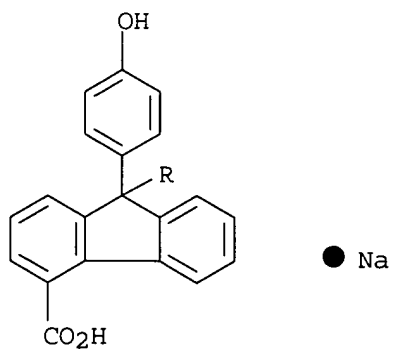
RN 104426-11-1 CAPLUS

CN 9H-Fluorene-4-carboxylic acid, 9,9-bis(4-hydroxyphenyl)-, monosodium salt, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 104426-10-0

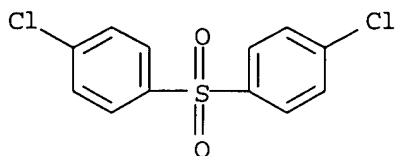
CMF C26 H18 O4 . Na



CM 2

CRN 80-07-9

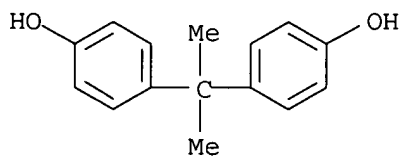
CMF C12 H8 C12 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 22 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Crosslinkable difunctional **polyarylene** polyethers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4562243	A	19851231	US 1984-586678	19840306
	US 4663402	A	19870505	US 1985-814749	19851230
	US 4665137	A	19870512	US 1985-814748	19851230
	US 4701514	A	19871020	US 1985-814747	19851230
PRAI	US 1984-586678	A2	19840306		

IT **25154-01-2DP**, reaction products with (chloromethyl)styrene

102576-97-6P

RL: PREP (Preparation)

(manufacture of heat-curable)

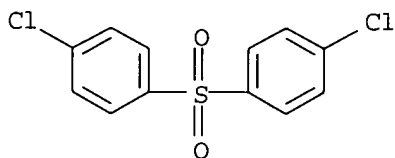
RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

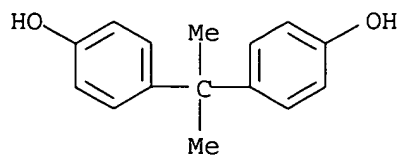
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



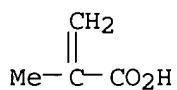
RN 102576-97-6 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene], bis(2-methyl-2-propenoate) (9CI) (CA INDEX NAME)

CM 1

CRN 79-41-4

CMF C4 H6 O2



CM 2

CRN 25154-01-2

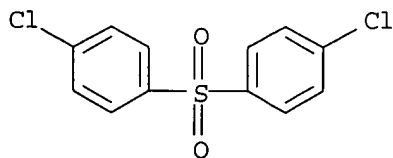
CMF (C15 H16 O2 . C12 H8 Cl2 O2 S)x

CCI PMS

CM 3

CRN 80-07-9

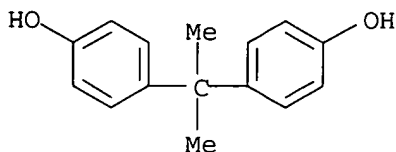
CMF C12 H8 Cl2 O2 S



CM 4

CRN 80-05-7

CMF C15 H16 O2

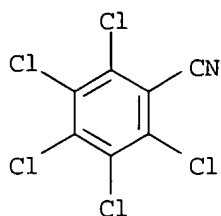


L47 ANSWER 23 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

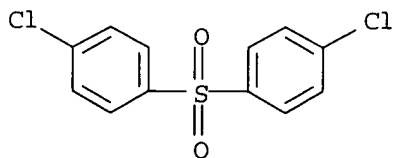
TI Branched, high-molecular-weight, thermoplastic, nitrile group-containing **polyarylene** ethers

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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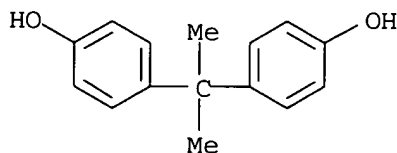
PI DE 3345416 A1 19850627 DE 1983-3345416 19831215
 EP 147708 A2 19850710 EP 1984-115039 19841210
 EP 147708 A3 19850807
 EP 147708 B1 19890419
 R: BE, CH, DE, FR, GB, IT, LI, NL
 US 4567248 A 19860128 US 1984-681243 19841213
 PRAI DE 1983-3345416 A 19831215
 IT **98756-91-3P 98756-92-4P 98756-93-5P**
 RL: PREP (Preparation)
 (branched, manufacture of, with high mol. weight)
 RN 98756-91-3 CAPLUS
 CN Benzonitrile, pentachloro-, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI)
 (CA INDEX NAME)
 CM 1
 CRN 20925-85-3
 CMF C7 C15 N



CM 2
 CRN 80-07-9
 CMF C12 H8 Cl2 O2 S



CM 3
 CRN 80-05-7
 CMF C15 H16 O2



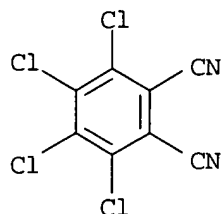
RN 98756-92-4 CAPLUS
 CN 1,2-Benzenedicarbonitrile, 3,4,5,6-tetrachloro-, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene]

(9CI) (CA INDEX NAME)

CM 1

CRN 1953-99-7

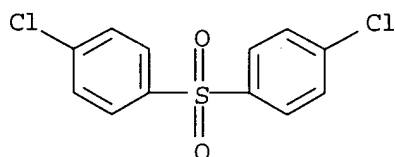
CMF C8 C14 N2



CM 2

CRN 80-07-9

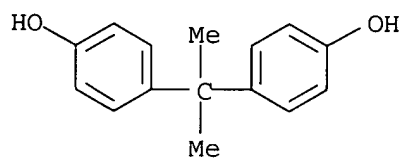
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



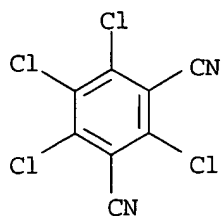
RN 98756-93-5 CAPLUS

CN 1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-, polymer with
4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene]
(9CI) (CA INDEX NAME)

CM 1

CRN 1897-45-6

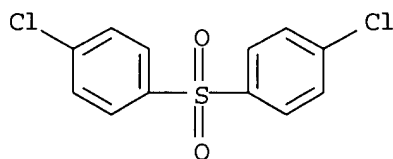
CMF C8 C14 N2



CM 2

CRN 80-07-9

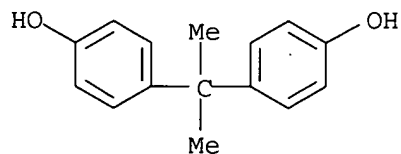
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 24 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Synthesis, kinetic observations and characteristics of **polyarylene** ether sulfones prepared via a potassium carbonate DMAC process

IT **25154-01-2**

RL: USES (Uses)

(preparation kinetics and properties of)

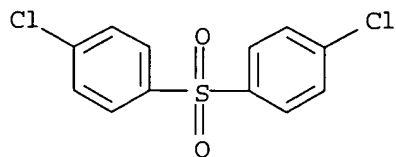
RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

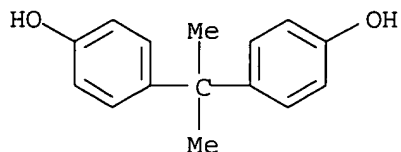
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 25 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Isolation of **polyarylene** polyether

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59109522	A2	19840625	JP 1982-220537	19821216
PRAI	JP 1982-220537		19821216		
IT	25154-01-2P				

RL: PREP (Preparation)

(recovery of, by precipitation from polar organic solvents with polyhydric alcs.)

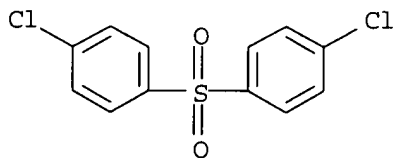
RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

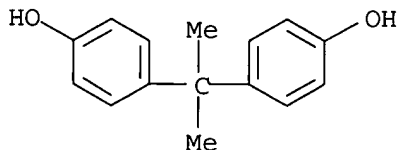
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 26 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene** polyethers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4307222	A	19811222	US 1980-162952	19800625

CA 1180499	A1	19850101	CA 1981-380080	19810618
EP 43101	A1	19820106	EP 1981-104898	19810624
EP 43101	B1	19850807		
R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
JP 57031929	A2	19820220	JP 1981-96799	19810624
JP 61012930	B4	19860410		
AT 14743	E	19850815	AT 1981-104898	19810624
PRAI US 1980-162952	A	19800625		
EP 1981-104898	A	19810624		

IT **25154-01-2P**
 RL: PREP (Preparation)
 (preparation of low-color)

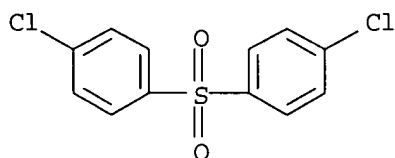
RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

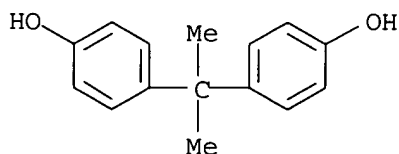
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



L47 ANSWER 27 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene polyethers**

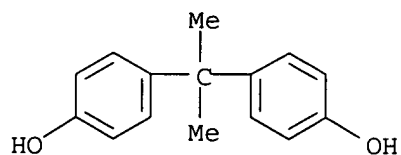
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4108837	A	19780822	US 1972-230091	19720228
	CA 988245	A1	19760427	CA 1964-901208	19640424
	US 4175175	A	19791120	US 1978-903569	19780508
PRAI	US 1963-295519	A2	19630716		
	US 1965-446715	A2	19650408		
	US 1967-643840	A2	19670606		
	US 1967-688302	A2	19671206		
	US 1972-230091	A3	19720228		
IT	9058-64-4 25154-01-2 25897-65-8				
	31346-17-5 31474-09-6 41209-98-7				
	69254-19-9 69254-20-2				
	RL: USES (Uses)				
	(moldable heat-resistant)				
RN	9058-64-4 CAPLUS				

CN Phenol, 4,4'-(1-methylethylidene)bis-, disodium salt, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 2444-90-8

CMF C15 H16 O2 . 2 Na

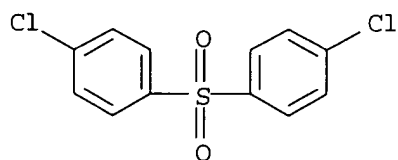


● 2 Na

CM 2

CRN 80-07-9

CMF C12 H8 Cl2 O2 S



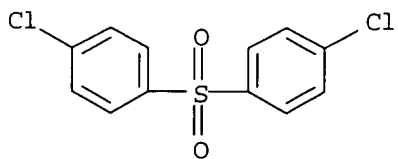
RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

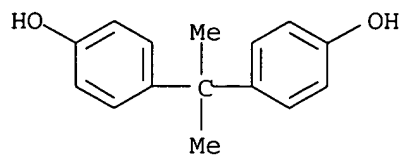
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



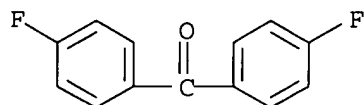
RN 25897-65-8 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 345-92-6

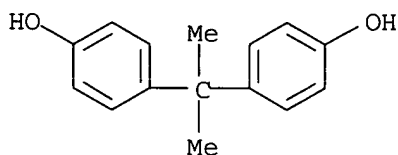
CMF C13 H8 F2 O



CM 2

CRN 80-05-7

CMF C15 H16 O2



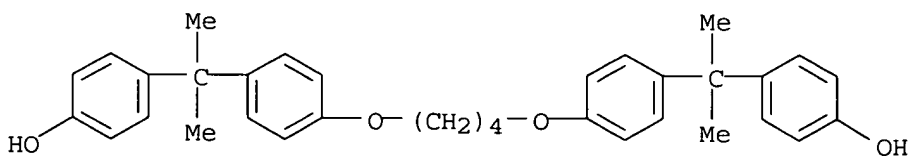
RN 31346-17-5 CAPLUS

CN Phenol, 4,4'-[1,4-butanediylbis[oxy-4,1-phenylene(1-methylethylidene)]]bis-, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 13170-81-5

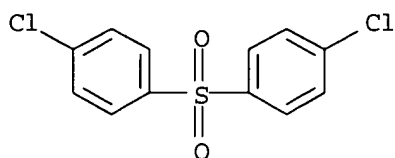
CMF C34 H38 O4



CM 2

CRN 80-07-9

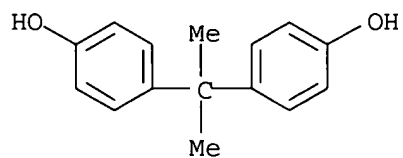
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



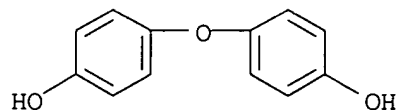
RN 31474-09-6 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 4,4'-oxybis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 1965-09-9

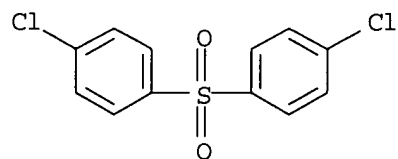
CMF C12 H10 O3



CM 2

CRN 80-07-9

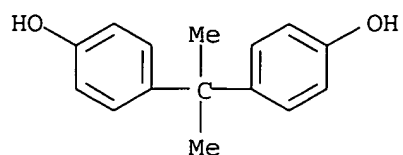
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7

CMF C15 H16 O2



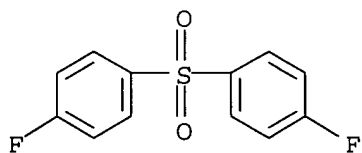
RN 41209-98-7 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-fluorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 383-29-9

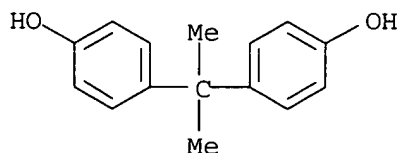
CMF C12 H8 F2 O2 S



CM 2

CRN 80-05-7

CMF C15 H16 O2



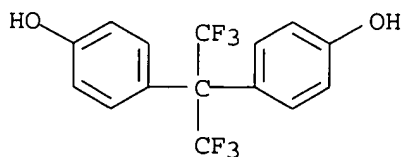
RN 69254-19-9 CAPLUS

CN Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, polymer with 1,1'-sulfonylbis[4-fluorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 1478-61-1

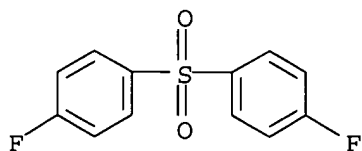
CMF C15 H10 F6 O2



CM 2

CRN 383-29-9

CMF C12 H8 F2 O2 S



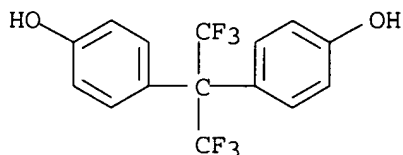
RN 69254-20-2 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 1478-61-1

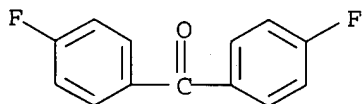
CMF C15 H10 F6 O2



CM 2

CRN 345-92-6

CMF C13 H8 F2 O



L47 ANSWER 28 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene** polyethers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 53073298	A2	19780629	JP 1976-149151	19761210
PRAI	JP 1976-149151	A	19761210		

IT **25154-01-2P 25897-65-8P 68183-12-0P**

RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of, catalysts for, diazabicycloundecene as)

RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9

CMF C12 H8 Cl2 O2 S

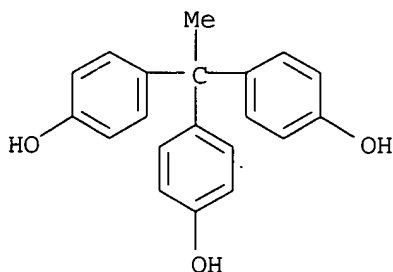
NO A' gvp

L5 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 180088-37-3 REGISTRY
 ED Entered STN: 27 Aug 1996
 CN Carbonic dichloride, polymer with 4,4'-cyclohexylidenebis[phenol],
 4,4',4''-ethylidynetris[phenol] and 2,2,3,3,4,4,5,5-octafluoro-1,6-
 hexanediol (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,6-Hexanediol, 2,2,3,3,4,4,5,5-octafluoro-, polymer with carbonic
 dichloride, 4,4'-cyclohexylidenebis[phenol] and 4,4',4''-
 ethylidynetris[phenol] (9CI)
 CN Phenol, 4,4',4''-ethylidynetris-, polymer with carbonic dichloride,
 4,4'-cyclohexylidenebis[phenol] and 2,2,3,3,4,4,5,5-octafluoro-1,6-
 hexanediol (9CI)
 CN Phenol, 4,4'-cyclohexylidenebis-, polymer with carbonic dichloride,
 4,4',4''-ethylidynetris[phenol] and 2,2,3,3,4,4,5,5-octafluoro-1,6-
 hexanediol (9CI)
 MF (C20 H18 O3 . C18 H20 O2 . C6 H6 F8 O2 . C Cl2 O)x
 CI PMS
 PCT Polycarbonate, Polycarbonate formed
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 27955-94-8
 CMF C20 H18 O3

NO A



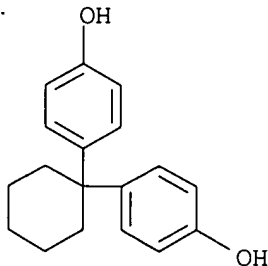
Ar(OH)₃

(Ar)

27955-94-8 e-me
 608-44-1 C-H

CM 2

CRN 843-55-0
 CMF C18 H20 O2



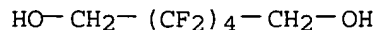
CM 3

B=

(B) ≠ 843-550 cyc.hx
 (A) B = C(CF₃)₂ 1478-61-1
 (B) C(CF₃)₂ 80-05-7 ✓ A
 90-98-2 Cl-COOV
 345-92-6 F C=O
 80-07-9 Cl SO₂

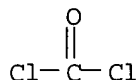
(42) 694

CRN 355-74-8
CMF C6 H6 F8 O2



CM 4

CRN 75-44-5
CMF C C12 O

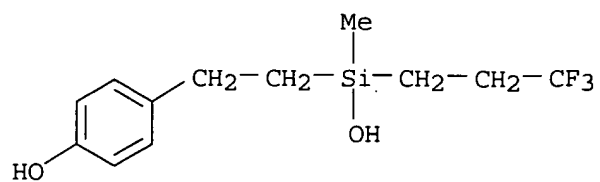


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 178106-19-9 REGISTRY
ED Entered STN: 04 Jul 1996
CN Carbonic dichloride, polymer with 4,4'-cyclohexylidenebis[phenol],
4,4',4''-ethylidynetris[phenol], [2-(4-hydroxyphenyl)ethyl]dimethylsilanol
and [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)silanol (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 4,4',4''-ethylidynetris-, polymer with carbonic dichloride,
4,4'-cyclohexylidenebis[phenol], [2-(4-hydroxyphenyl)ethyl]dimethylsilanol
and [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)silanol (9CI)
CN Phenol, 4,4'-cyclohexylidenebis-, polymer with carbonic dichloride,
4,4',4''-ethylidynetris[phenol], [2-(4-hydroxyphenyl)ethyl]dimethylsilanol
and [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)silanol (9CI)
CN Silanol, [2-(4-hydroxyphenyl)ethyl]dimethyl-, polymer with carbonic
dichloride, 4,4'-cyclohexylidenebis[phenol], 4,4',4''-
ethylidynetris[phenol] and [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-
trifluoropropyl)silanol (9CI)
CN Silanol, [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)-, polymer
with carbonic dichloride, 4,4'-cyclohexylidenebis[phenol],
4,4',4''-ethylidynetris[phenol] and [2-(4-hydroxyphenyl)ethyl]dimethylsila
nol (9CI)
MF (C20 H18 O3 . C18 H20 O2 . C12 H17 F3 O2 Si . C10 H16 O2 Si . C C12 O)x
CI PMS
PCT Polycarbonate, Polycarbonate formed, Polyether, Polyether formed
SR CA
LC STN Files: CA, CAPLUS

CM 1

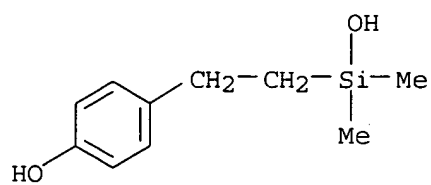
CRN 173956-69-9
CMF C12 H17 F3 O2 Si



CM 2

CRN 158036-17-0

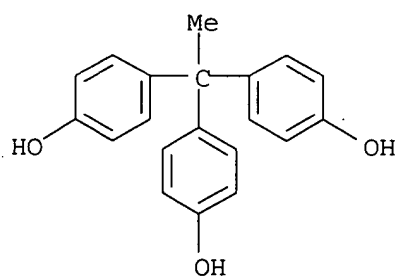
CMF C10 H16 O2 Si



CM 3

CRN 27955-94-8

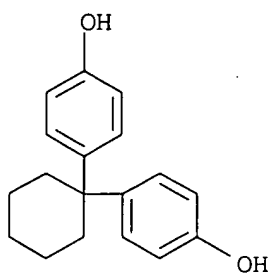
CMF C20 H18 O3



CM 4

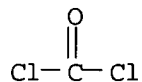
CRN 843-55-0

CMF C18 H20 O2



CM 5

CRN 75-44-5
CMF C Cl2 O

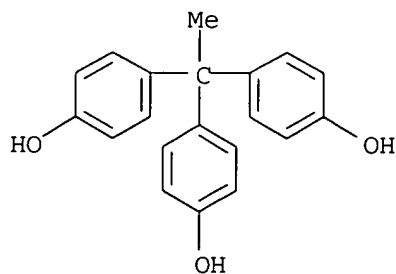


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 167863-16-3 REGISTRY
ED Entered STN: 19 Sep 1995
CN Carbonic acid, polymer with 4,4'-cyclohexylidenebis[phenol] and 4,4',4''-ethylidynetris[phenol] (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 4,4',4''-ethylidynetris-, polymer with carbonic acid and 4,4'-cyclohexylidenebis[phenol] (9CI)
CN Phenol, 4,4'-cyclohexylidenebis-, polymer with carbonic acid and 4,4',4''-ethylidynetris[phenol] (9CI)
MF (C20 H18 O3 . Cl8 H20 O2 . C H2 O3)x
CI PMS
PCT Polycarbonate, Polycarbonate formed
SR CA
LC STN Files: CA, CAPLUS

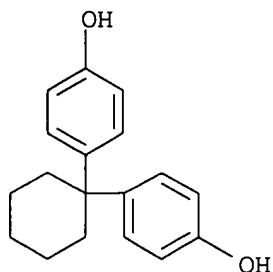
CM 1

CRN 27955-94-8
CMF C20 H18 O3



CM 2

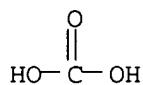
CRN 843-55-0
CMF C18 H20 O2



CM 3

CRN 463-79-6

CMF C H2 O3



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN

RN 152692-83-6 REGISTRY

ED Entered STN: 02 Feb 1994

CN Carbonic dichloride, polymer with 4,4'-cyclohexylidenebis[phenol] and 4,4',4''-ethylidynetris[phenol] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phenol, 4,4',4''-ethylidynetris-, polymer with carbonic dichloride and 4,4'-cyclohexylidenebis[phenol] (9CI)

CN Phenol, 4,4'-cyclohexylidenebis-, polymer with carbonic dichloride and 4,4',4''-ethylidynetris[phenol] (9CI)

MF (C20 H18 O3 . C18 H20 O2 . C C12 O)x

CI PMS

PCT Polycarbonate, Polycarbonate formed

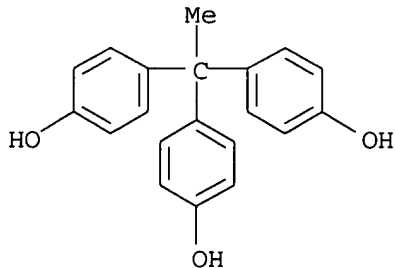
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

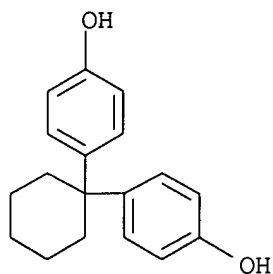
CRN 27955-94-8

CMF C20 H18 O3



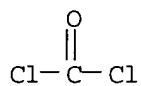
CM 2

CRN 843-55-0
CMF C18 H20 O2



CM 3

CRN 75-44-5
CMF C C12 O



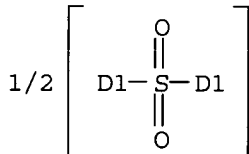
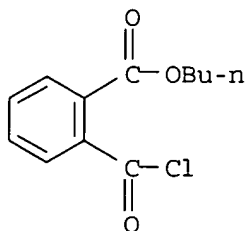
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

L24 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 837363-46-9 REGISTRY
 ED Entered STN: 25 Feb 2005
 CN Benzoic acid, sulfonylbis[2-(chlorocarbonyl)-, dibutyl ester, polymer with
 4,4',4''-methylidynetris[phenol] and 4,4'-[2,2,2-trifluoro-1-
 (trifluoromethyl)ethylidene]bis[2-aminophenol] (9CI) (CA INDEX NAME)
 MF (C24 H24 Cl2 O8 S . C19 H16 O3 . C15 H12 F6 N2 O2)x
 CI PMS, COM
 PCT Polyamide, Polyamide formed, Polybenzoxazole, Polybenzoxazole formed,
 Polyester, Polyester formed
 SR CA

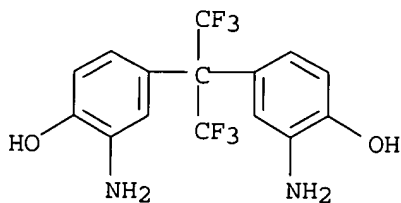
 CM 1

 CRN 201356-56-1
 CMF C24 H24 Cl2 O8 S
 CCI IDS



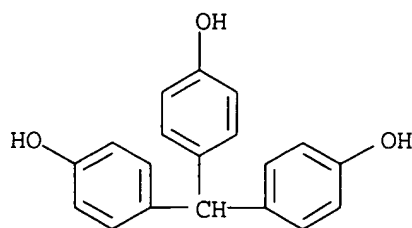
CM 2

CRN 83558-87-6
 CMF C15 H12 F6 N2 O2



CM 3

CRN 603-44-1
 CMF C19 H16 O3

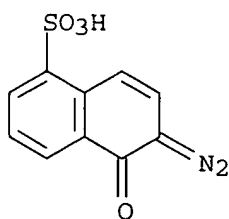


L24 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 312308-57-9 REGISTRY
 ED Entered STN: 29 Dec 2000
 CN Benzoic acid, sulfonylbis[2-(chlorocarbonyl)-, dibutyl ester, polymer with 4,4',4''-methylidynetris[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-aminophenol], 6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonate (ester) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Naphthalenesulfonyl chloride, 6-diazo-5,6-dihydro-5-oxo-, polymer with dibutyl sulfonylbis[2-(chlorocarbonyl)benzoate], 4,4',4''-methylidynetris[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-aminophenol] (9CI)
 CN Phenol, 4,4',4''-methylidynetris-, polymer with 6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonyl chloride, dibutyl sulfonylbis[2-(chlorocarbonyl)benzoate] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-aminophenol] (9CI)
 CN Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-amino-, polymer with 6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonyl chloride, dibutyl sulfonylbis[2-(chlorocarbonyl)benzoate] and 4,4',4''-methylidynetris[phenol] (9CI)
 MF (C24 H24 Cl2 O8 S . C19 H16 O3 . C15 H12 F6 N2 O2)x . x C10 H6 N2 O4 S
 PCT Polyamide, Polyamide formed, Polybenzoxazole, Polybenzoxazole formed, Polyester, Polyester formed
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 20546-03-6

CMF C10 H6 N2 O4 S



CM 2

CRN 837363-46-9

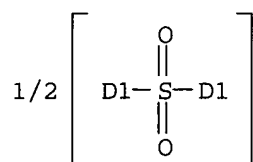
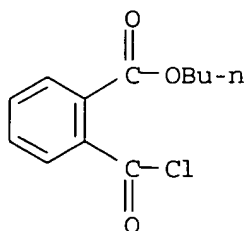
CMF (C24 H24 Cl2 O8 S . C19 H16 O3 . C15 H12 F6 N2 O2)x

CCI PMS

CM 3

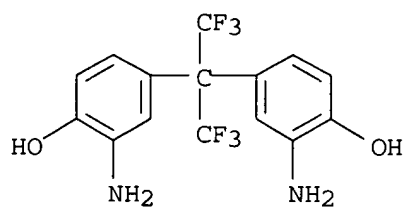
CRN 201356-56-1

CMF C24 H24 Cl2 O8 S
CCI IDS



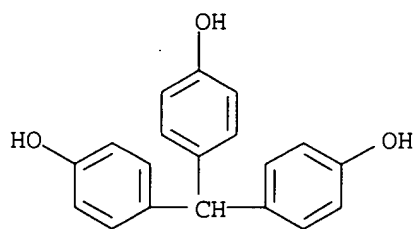
CM 4

CRN 83558-87-6
CMF C15 H12 F6 N2 O2



CM 5

CRN 603-44-1
CMF C19 H16 O3



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

L47 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Novel aromatic sulfonic acid ester derivative, **polyarylene**,
polyarylene having sulfonic acid group and process for producing
the same, and polymer solid electrolyte and proton-conductive membrane

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004044166	A1	20040304	US 2003-642694	20030819
	JP 2004137444	A2	20040513	JP 2002-364229	20021216
	EP 1400548	A1	20040324	EP 2003-18995	20030821
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CA 2438009	AA	20040222	CA 2003-2438009	20030822

PRAI	JP	2002-242508	A	20020822
	JP	2002-364229	A	20021216

IT 663920-27-2P 663920-28-3P 663920-32-9P
663920-37-4P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(ionic conducting polymer precursor; preparation of polyarylene-containing aromatic sulfonic acid for polymer solid electrolyte and proton-conductive membrane)

RN 663920-27-2 CAPLUS

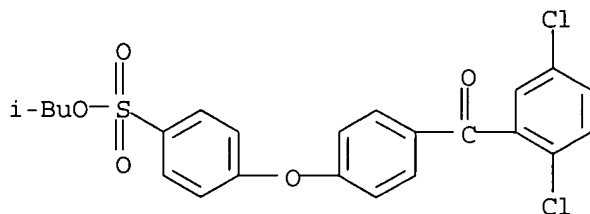
CN Benzenesulfonic acid, 4-[4-(2,5-dichlorobenzoyl)phenoxy]-, 2-methylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 663920-25-0

CMF C23 H20 Cl2 O5 S

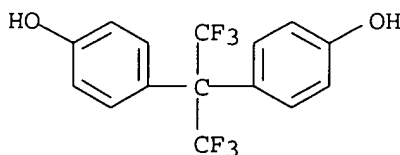
Dithranol
5,8,9-anthracene
triol




CM 2

CRN 1478-61-1

CMF C15 H10 F6 O2



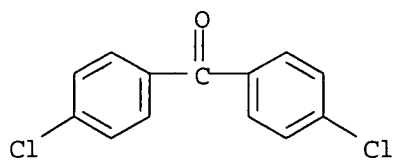
epi cat e ch in



CM 3

CRN 90-98-2

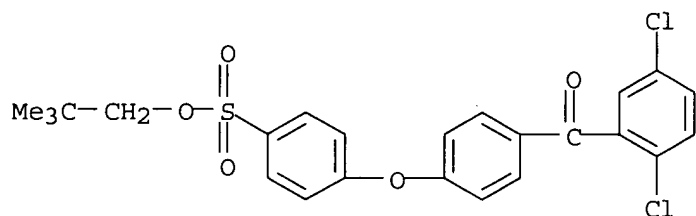
CMF C13 H8 Cl2 O



RN 663920-28-3 CAPLUS
CN Benzenesulfonic acid, 4-[4-(2,5-dichlorobenzoyl)phenoxy]-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

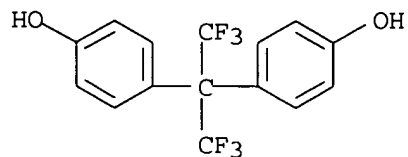
CM 1

CRN 663920-26-1
CMF C24 H22 Cl2 O5 S



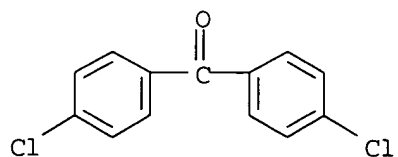
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2
CMF C13 H8 Cl2 O



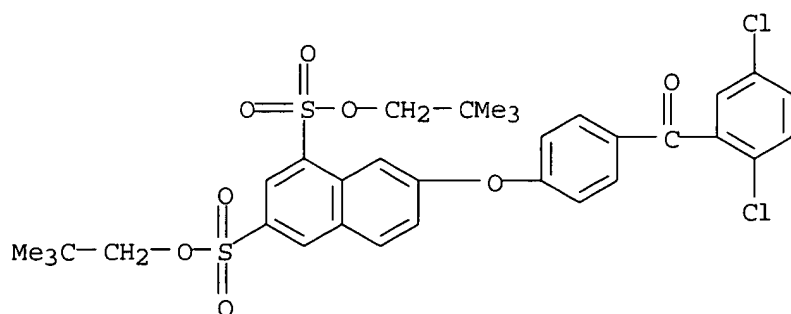
RN 663920-32-9 CAPLUS

CN 1,3-Naphthalenedisulfonic acid, 7-[4-(2,5-dichlorobenzoyl)phenoxy]-, bis(2,2-dimethylpropyl) ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 663920-31-8

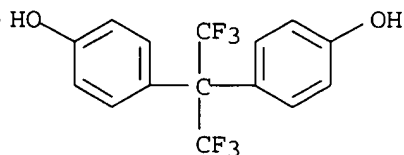
CMF C33 H34 Cl2 O8 S2



CM 2

CRN 1478-61-1

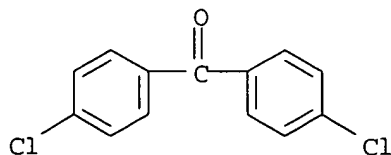
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O

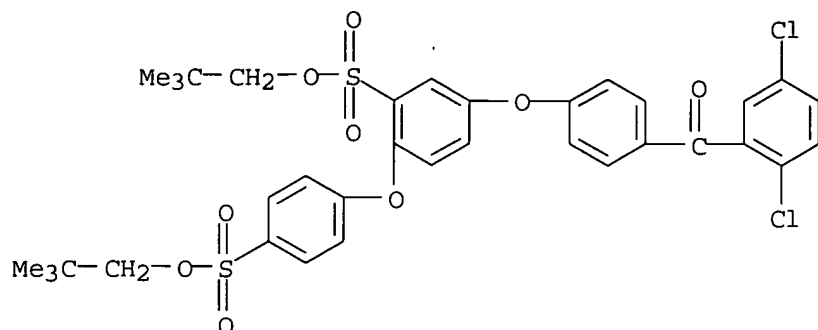


RN 663920-37-4 CAPLUS

CN Benzenesulfonic acid, 5-[4-(2,5-dichlorobenzoyl)phenoxy]-2-[4-[(2,2-dimethylpropoxy)sulfonyl]phenoxy]-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

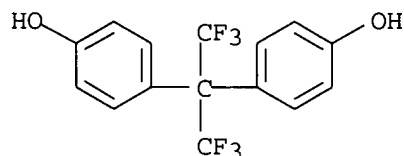
CM 1

CRN 663920-36-3
 CMF C35 H36 Cl2 O9 S2



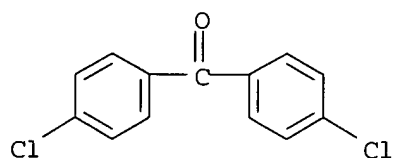
CM 2

CRN 1478-61-1
 CMF C15 H10 F6 O2



CM 3

CRN 90-98-2
 CMF C13 H8 Cl2 O

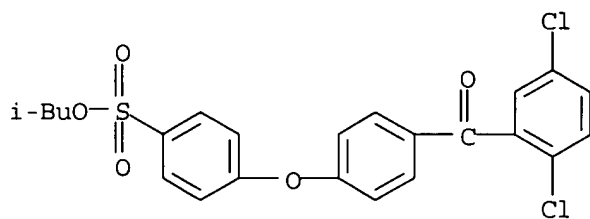


IT 663920-27-2DP, hydrolyzed 663920-28-3DP, hydrolyzed
 663920-32-9DP, hydrolyzed 663920-37-4DP, hydrolyzed
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material
 use); PREP (Preparation); USES (Uses)
 (ionic conducting polymer; preparation of polyarylene-containing aromatic
 sulfonic acid for polymer solid electrolyte and proton-conductive membrane)
 RN 663920-27-2 CAPLUS
 CN Benzenesulfonic acid, 4-[4-(2,5-dichlorobenzoyl)phenoxy]-, 2-methylpropyl
 ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-
 1-(trifluoromethyl)ethylidene]bis[phenol] (9CI). (CA INDEX NAME)

CM 1

CRN 663920-25-0

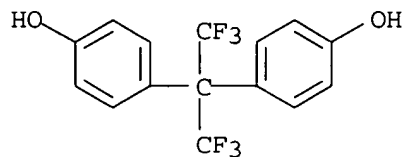
CMF C23 H20 Cl2 O5 S



CM 2

CRN 1478-61-1

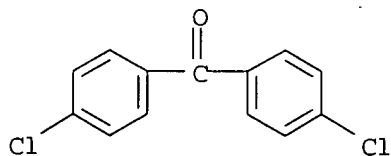
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O



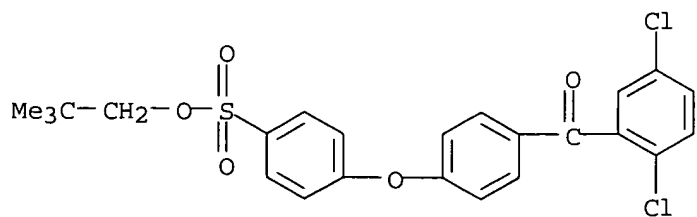
RN 663920-28-3 CAPLUS

CN Benzenesulfonic acid, 4-[4-(2,5-dichlorobenzoyl)phenoxy]-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethyldiene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 663920-26-1

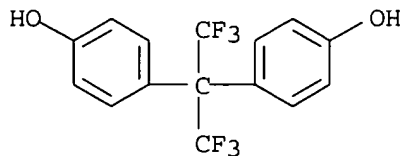
CMF C24 H22 Cl2 O5 S



CM 2

CRN 1478-61-1

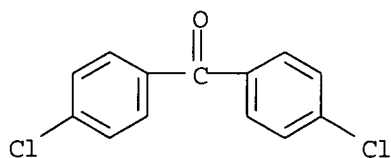
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O



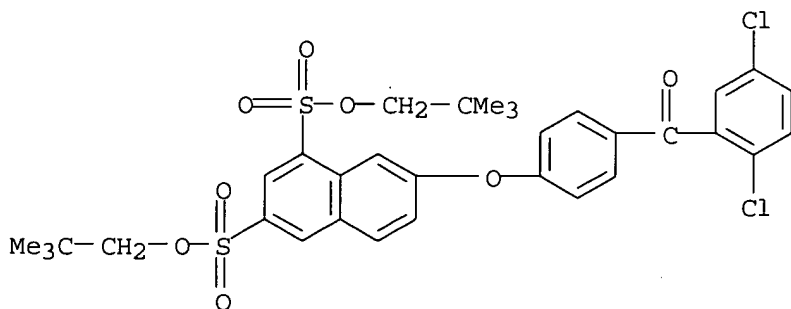
RN 663920-32-9 CAPLUS

CN 1,3-Naphthalenedisulfonic acid, 7-[4-(2,5-dichlorobenzoyl)phenoxy]-, bis(2,2-dimethylpropyl) ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethyldiene]bis[phenol] (9CI)
(CA INDEX NAME)

CM 1

CRN 663920-31-8

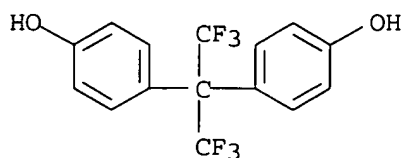
CMF C33 H34 Cl2 O8 S2



CM 2

CRN 1478-61-1

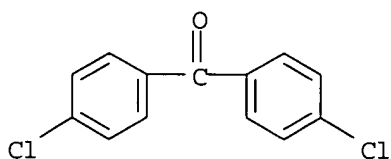
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O



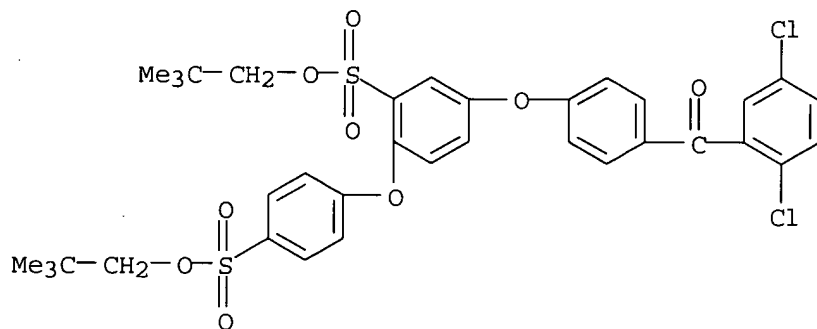
RN 663920-37-4 CAPLUS

CN Benzenesulfonic acid, 5-[4-(2,5-dichlorobenzoyl)phenoxy]-2-[4-[(2,2-dimethylpropoxy)sulfonyl]phenoxy]-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethyldiene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 663920-36-3

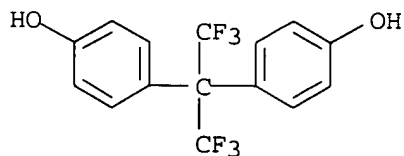
CMF C35 H36 Cl2 O9 S2



CM 2

CRN 1478-61-1

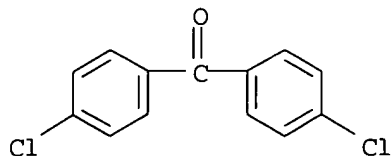
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

CMF C13 H8 Cl2 O



IT **122325-09-1P**, Bisphenol AF-4,4'-dichlorobenzophenone copolymer

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of polyarylene-containing aromatic sulfonic acid for polymer solid electrolyte and proton-conductive membrane)

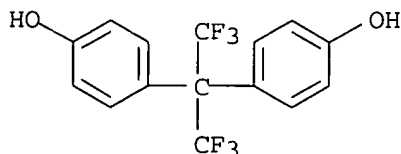
RN 122325-09-1 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 1478-61-1

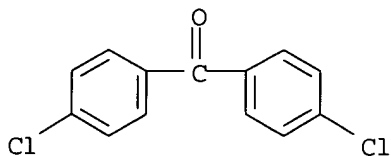
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2

CMF C13 H8 Cl2 O



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TI Process for preparing **polyarylene** ethers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003176621	A1	20030918	US 2002-40850	20020109
	US 6716956	B2	20040406		
PRAI	US 2002-40850		20020109		

IT **25897-65-8DP**, Bisphenol A-4,4'-difluorobenzophenone copolymer,